# DAFTAR PUSTAKA

Almeida, C. R. de, Teodoro, A. C., & Gonçalves, A. (2021). Study of the urban heat island (UHI) using remote sensing data/techniques: A systematic review. *Environments*, *8*(10), 105.

Alvianti, V., & Fathurrahman, I. A. S. (2024). *Desentralisasi dan Fenomena Urban Sprawl: Tinjauan atas Kawasan Metropolitan Yogyakarta (Kartamantul)*.

Anselin, L. (1995). Local Indicators of Spatial Association—LISA. *Geographical Analysis*, *27*(2), 93–115.

Arnous, M. O., & Mansour, B. M. (2023). Utilizing Multi-Temporal Thermal Data to Assess Environmental Land Degradation Impacts: Example from Suez Canal Region, Egypt. *Environmental Science and Pollution Research*, *30*(1), 2145–2163.

Azar, C., Holmberg, J., & Lindgren, K. (1996). Socio-Ecological Indicators for Sustainability. *Ecological Economics*, *18*(2), 89–112.

Badan Pusat Statistik. (2025). *Produk Domestik Bruto Indonesia Menurut Pengeluaran, 2020-2024*. Badan Pusat Statistik.

Baig, M. H. A., Zhang, L., Shuai, T., & Tong, Q. (2014). Derivation of a Tasselled Cap Transformation Based on Landsat 8 at-Satellite Reflectance. *Remote Sensing Letters*, *5*(5), 423–431.

Baniya, B., Tang, Q., Huang, Z., Sun, S., & Techato, K. (2018). Spatial and temporal variation of NDVI in response to climate change and the implication for carbon dynamics in Nepal. *Forests*, *9*(6), 329.

BPS. (2008). *Pedoman Praktis Penghitungan PDRB Kabupaten/Kota Menurut Penggunaan*. Statistics Indonesia.

Burton, A. L. (2021). OLS (Linear) regression. *The Encyclopedia of Research Methods in Criminology and Criminal Justice*, *2*, 509–514.

Chen, C., Chen, H., Liang, J., Huang, W., Xu, W., Li, B., & Wang, J. (2022). Extraction of Water Body Information from Remote Sensing Imagery While Considering Greenness and Wetness Based on Tasseled Cap Transformation. *Remote Sensing*, *14*(13), 3001.

Chen, N., Cheng, G., Yang, J., Ding, H., & He, S. (2023a). Evaluation of Urban Ecological Environment Quality Based on Improved RSEI and Driving Factors Analysis. *Sustainability*, *15*(11), 8464. https://doi.org/10.3390/su15118464

Chen, N., Cheng, G., Yang, J., Ding, H., & He, S. (2023b). Evaluation of Urban Ecological Environment Quality Based on Improved RSEI and Driving Factors Analysis. *Sustainability*, *15*(11), Article 11. https://doi.org/10.3390/su15118464

Chen, T., & Guestrin, C. (2016). Xgboost: A Scalable Tree Boosting System. *Proceedings of the 22nd Acm Sigkdd International Conference on Knowledge Discovery and Data Mining*, 785–794.

Crist, E. P. (1985). A TM Tasseled Cap Equivalent Transformation for Reflectance Factor Data. *Remote Sensing of Environment*, *17*(3), 301–306.

Dewa, D. D., Buchori, I., Sejati, A. W., & Liu, Y. (2025). Integrating Google Earth Engine and Regional Ecological Corridor Modeling for Remote Sensing-Based Urban Heat Island Mitigation in Java, Indonesia. *Remote Sensing Applications: Society and Environment*, *38*, 101573. https://doi.org/10.1016/j.rsase.2025.101573

Dupras, J., Marull, J., Parcerisas, L., Coll, F., Gonzalez, A., Girard, M., & Tello, E. (2016). The Impacts of Urban Sprawl on Ecological Connectivity in the Montreal Metropolitan Region. *Environmental Science & Policy*, *58*, 61–73.

Dwiputri, M. (2018). Identifikasi Debit Limpasan Air Permukaan Kawasan Gedebage Sesudah Perubahan Iklim. *Faktor Exacta*, *10*(4), 379–388.

Economic And Social Commission For Asia And The Pacific. (2006). Decoupling Environmental Pressure from Economic Growth: From Pollution Control to Improving Eco-Efficiency of Consumption and Production. In *Part 2_03* (pp. 133–139). United Nations. https://www.unescap.org/sites/default/files/Part2_03.pdf

Faizal, M., Arisandy, R., Tatawu, A., Wijaksono, S., Alansa, F., Arifin, M., & Mulyaningsih, S. (2018). Efforts on Geological Conservation to Watuadeg-Basalt Pillow Lavas at West Sumber, Berbah District, Sleman Regency, Yogyakarta Special Region-Indonesia. *Journal of Geoscience, Engineering, Environment, and Technology*, *3*, 174. https://doi.org/10.24273/jgeet.2018.3.3.2035

Fajarida, D. R. (2024). Permasalahan Tata Ruang Kota di Tangerang: Analisis Konflik Antara Kepadatan Penduduk dan Ruang Hijau. *Filosofi: Publikasi Ilmu Komunikasi, Desain, Seni Budaya*, *1*(4), 301–308.

Fotheringham, A. S., Brunsdon, C., & Charlton, M. (2002). *Geographically Weighted Regression: The Analysis of Spatially Varying Relationships*. Wiley.

Fotheringham, A. S., Yang, W., & Kang, W. (2017). Multiscale Geographically Weighted Regression (MGWR). *Annals of the American Association of Geographers*, *107*(6), 1247–1265. https://doi.org/10.1080/24694452.2017.1352480

Getis, A. (2009). Spatial Autocorrelation. In *Handbook of Applied Spatial Analysis: Software Tools, Methods and Applications* (pp. 255–278). Springer.

Giofandi, E. A., Syahzaqi, I., Sekarjati, D., Putriana, A. M., Putti, H. M. D. M., & Sekarrini, C. E. (2024). Assessment of Remote Sensing Approach for Urban Ecological Quality Evaluation in Pekanbaru City, Riau Province, Indonesia. *Geography, Environment, Sustainability*, *17*(1), 28–35. https://doi.org/10.24057/2071-9388-2023-2640

Giyarsih, S. R. (2017). Regional Management of Areas with Indications of Urban Sprawl in the Surrounding Areas of Universitas Muhammadiyah, Yogyakarta, Indonesia. *The Indonesian Journal of Geography*, *49*(1), 35.

Hu, Y., & Zhang, Y. (2020). Spatial–Temporal Dynamics and Driving Factor Analysis of Urban Ecological Land in Zhuhai City, China. *Scientific Reports*, *10*(1), 16174.

Huang, X., Wang, L., Yang, L., & Kravchenko, A. N. (2008). Management Effects on Relationships of Crop Yields with Topography Represented by Wetness Index and Precipitation. *Agronomy Journal*, *100*(5), 1463–1471.

Ikhwan Amri, Monita Deka, & Putri D Dwi Yuliyana. (2019). *Urban Sprawl: Perubahan PL dan Implikasinya Terhadap Tekanan Penduduk dan Daya Dukung Lahan pada Daerah Urban dan Peri-Urban di Sebagian Daerah Istimewa Yogyakarta*. https://doi.org/10.13140/RG.2.2.21145.06241

Intergovernmental Panel on Climate Change (IPCC). (2023). *Climate Change 2021 – The Physical Science Basis: Working Group I Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge University Press. https://doi.org/10.1017/9781009157896

Jaarsma, C. F., & Willems, G. P. (2002). Reducing Habitat Fragmentation by Minor Rural Roads Through Traffic Calming. *Landscape and Urban Planning*, *58*(2–4), 125–135.

Jamalina, I. A., & Wardani, D. T. K. (2017). Strategi Pengembangan Ekowisata Melalui Konsep Community Based Tourism (CBT) dan Manfaat Sosial dan Ekonomi Bagi Masyarakat Di Desa Wisata Nglanggeran, Patuk, Gunung Kidul. *Jurnal Ekonomi & Studi Pembangunan*, *18*(1). https://doi.org/10.18196/jesp.18.1.4008

Jensen, J. R., & Cowen, D. C. (2011). Remote Sensing of Urban/Suburban Infrastructure and Socio-Economic Attributes. In M. Dodge, R. Kitchin, & C. Perkins (Eds.), *The Map Reader* (1st ed., pp. 153–163). Wiley. https://doi.org/10.1002/9780470979587.ch22

Jin, A., Li, H., Wang, X., & Wang, Z. (2025). Spatiotemporal Assessment of Ecological Quality and Driving Mechanisms in the Beijing Metropolitan Area. *Scientific Reports*, *15*(1), 13136. https://doi.org/10.1038/s41598-025-97156-3

Jolliffe, I. T. (2002). *Principal Component Analysis for Special Types of Data*. Springer.

Joly, D., Castel, T., Pohl, B., & Richard, Y. (2018). Influence of Spatial Information Resolution on the Relation Between Elevation and Temperature. *International Journal of Climatology*, *38*(15), 5677–5688.

Khasanah, E. N., & Rohman, N. H. (2024). Analisis Peran Sektor Pertanian Terhadap Pertumbuhan Ekonomi Di Kabupaten Gunungkidul Daerah Istimewa Yogyakarta. *Jurnal Khazanah Intelektual*, *8*(2). https://jurnalkibalitbangdajbi.com/index.php/newkiki/article/view/243

Lerche, I., & Glaesser, W. (Eds.). (2006). Natural and Anthropogenic Environmental Problems. In *Environmental Risk Assessment: Quantitative Measures, Anthropogenic Influences, Human Impact* (pp. 1–20). Springer. https://doi.org/10.1007/3-540-29709-X_1

Li, Z., & Fotheringham, A. S. (2020). Computational improvements to multi-scale geographically weighted regression. *International Journal of Geographical Information Science*, *34*(7), 1378–1397. https://doi.org/10.1080/13658816.2020.1720692

Li, Z.-L., Tang, B.-H., Wu, H., Ren, H., Yan, G., Wan, Z., Trigo, I. F., & Sobrino, J. A. (2013). Satellite-Derived Land Surface Temperature: Current Status and Perspectives. *Remote Sensing of Environment*, *131*, 14–37.

Liu, Y., Zhou, T., & Yu, W. (2024). Analysis of Changes in Ecological Environment Quality and Influencing Factors in Chongqing Based on a Remote-Sensing Ecological Index Mode. *Land*, *13*(2), 227. https://doi.org/10.3390/land13020227

Lu, B., Ren, H.-L., Scaife, A. A., Wu, J., Dunstone, N., Smith, D., Wan, J., Eade, R., MacLachlan, C., & Gordon, M. (2018). An Extreme Negative Indian

Ocean Dipole Event in 2016: Dynamics and Predictability. *Climate Dynamics*, *51*(1–2), 89–100. https://doi.org/10.1007/s00382-017-3908-2

Mahendra, A. I. (2024). *Analisis Kualitas Ekologi Perkotaan Berbasis Remote Sensing Ecological Index (RSEI) Di Kota Bandung dan Kota Semarang* [Universitas Gadjah Mada]. https://etd.repository.ugm.ac.id/penelitian/detail/245632

Messah, V. Y., Binsasi, R., Binsasi, Y., & Bani, P. W. (2025). Keanekaragaman Jenis Vegetasi Riparian pada Daerah Hulu dan Hilir Sungai Noemuti Kabupaten Timor Tengah Utara. *Biocaster: Jurnal Kajian Biologi*, *5*(3), 126–142.

Moran, P. A. (1950). Notes on Continuous Stochastic Phenomena. *Biometrika*, *37*(1/2), 17–23.

Morote, Á.-F., & Hernández, M. (2016). Urban Sprawl and Its Effects on Water Demand: A Case Study of Alicante, Spain. *Land Use Policy*, *50*, 352–362. https://doi.org/10.1016/j.landusepol.2015.06.032

Murtiono, U. H. (2008). Kajian Model Estimasi Volume Limpasan Permukaan, Debit Puncak Aliran, Dan Erosi Tanah Dengan Model Soil Conservation Service (SCS), Rasional Dan Modified Universal Soil Loss Equation (MUSLE)(Studi Kasus Di DAS Keduang, Wonogiri). *Forum Geografi*, *22*(2), 169–185.

Mutanga, O., & Kumar, L. (2019). Google Earth Engine Applications. *Remote Sensing*, *11*(5), Article 5. https://doi.org/10.3390/rs11050591

Nazeer, M., & Bilal, M. (2018). Evaluation of Ordinary Least Square (OLS) and Geographically Weighted Regression (GWR) for Water Quality

Monitoring: A Case Study for the Estimation of Salinity. *Journal of Ocean University of China*, *17*(2), 305–310.

Odum, H. T. (1996). *Environmental accounting: EMERGY and environmental decision making*. Wiley.

Paul, R. K. (2006). Multicollinearity: Causes, Effects and Remedies. *IASRI, New Delhi*, *1*(1), 58–65.

Pickett, S. T. A., & White, P. S. (Eds.). (1985). *The Ecology of Natural Disturbance and Patch Dynamics*. Academic Press.

Prasai, R., Schwertner, T. W., Mainali, K., Mathewson, H., Kafley, H., Thapa, S., Adhikari, D., Medley, P., & Drake, J. (2021). Application of Google Earth Engine Python API and NAIP Imagery for Land Use and Land Cover Classification: A Case Study in Florida, USA. *Ecological Informatics*, *66*, 101474.

Prasetyo, H. D., & Hayati, A. (2020). Pengaruh Gangguan Pada Zona Riparian Terhadap Jasa Layanan Ekositem Hulu Sungai Brantas. *Biotropika: Journal of Tropical Biology*, *8*(2), 125–134.

Prihatin, R. B. (2015). Alih Fungsi Lahan Di Perkotaan (Studi Kasus Di Kota Bandung Dan Yogyakarta). *Jurnal Aspirasi*, *6*(2), 105–118.

Qian, L., Luo, Z., Du, Y., & Guo, L. (2009). Cloud Computing: An Overview. *IEEE International Conference on Cloud Computing*, 626–631.

Quan, Z.-J., Li, Y., Li, J.-S., Han, Y., Xiao, N.-W., & Fu, M.-D. (2013). Ecological Vulnerability of Coal Mining Area: A Case Study of Shengli Coalfield in Xilinguole of Inner Mongolia, China. *Ying Yong Sheng Tai Xue Bao= The Journal of Applied Ecology*, *24*(6), 1729–1738.

Rasul, A., Balzter, H., Ibrahim, G. R. F., Hameed, H. M., Wheeler, J., Adamu, B., Ibrahim, S., & Najmaddin, P. M. (2018). Applying Built-up and Bare-Soil Indices from Landsat 8 to Cities in Dry Climates. *Land*, *7*(3), 81.

Rikimaru, A., Roy, P. S., & Miyatake, S. (2002). Tropical Forest Cover Density Mapping. *Tropical Ecology*, *43*(1), 39–47.

Rouse Jr, J. W., Haas, R. H., Deering, D. W., Schell, J. A., & Harlan, J. C. (1974). *Monitoring the Vernal Advancement and Retrogradation (green Wave Effect) of Natural Vegetation*.

Rusli, S., & Indriana, H. (2009). Tekanan Penduduk, Overshoot Ekologi Pulau Jawa, Dan Masa Pemulihannya. *Sodality: Jurnal Sosiologi Pedesaan*, *3*(1).

Seto, K. C., Güneralp, B., & Hutyra, L. R. (2012). Global Forecasts of Urban Expansion to 2030 and Direct Impacts on Biodiversity and Carbon Pools. *Proceedings of the National Academy of Sciences*, *109*(40), 16083–16088. https://doi.org/10.1073/pnas.1211658109

Setyorini, B. (2012). *Analisis Kepadatan Penduduk dan Proyeksi Kebutuhan Permukiman Kecamatan Depok Sleman Tahun 2010-2015*. Universitas Muhammadiyah Surakrta.

Seya, H. (2020). Global and Local Indicators of Spatial Associations. In *Spatial Analysis Using Big Data* (pp. 33–56). Elsevier.

suhatman, Amar, S., suhatman, Amar, S., & Aimon, H. (2024). *Interlinkages Between Environmental Quality, Economic Growth, and Human Capital in Indonesia: Implications for Sustainable Development Policies*. https://doi.org/10.56578/cis120303

Sumargo, B., & Nur Haida, R. (2025). Linkages between Economic Growth, Poverty and Environmental Quality in Indonesia. *Jurnal Ekonomi Pembangunan: Kajian Masalah Ekonomi Dan Pembangunan*, 47–59. https://doi.org/10.23917/jep.v21i1.8262

Tapio, P. (2005). Towards a Theory of Decoupling: Degrees of Decoupling in the EU and the Case of Road Traffic in Finland Between 1970 and 2001. *Transport Policy*, *12*(2), 137–151.

Tobler, W. R. (1970). A Computer Movie Simulating Urban Growth in the Detroit Region. *Economic Geography*, *46*, 234–240. https://doi.org/10.2307/143141

Vadén, T., Lähde, V., Majava, A., Järvensivu, P., Toivanen, T., Hakala, E., & Eronen, J. T. (2020). Decoupling for Ecological Sustainability: A Categorisation and Review of Research Literature. *Environmental Science & Policy*, *112*, 236–244.

Velte, A. T., Velte, T. J., & Elsenpeter, R. C. (2010). *Cloud Computing: A Practical Approach*. McGraw-Hill.

Wafiq, A. N., & Suryanto, S. (2021). The Impact of Population Density and Economic Growth on Environmental Quality: Study in Indonesia. *Jurnal Ekonomi & Studi Pembangunan*, *22*(2), 301–312. https://doi.org/10.18196/jesp.v22i2.10533

Wang, H., Liu, C., Zang, F., Liu, Y., Chang, Y., Huang, G., Fu, G., Zhao, C., & Liu, X. (2023). Remote Sensing-Based Approach for the Assessing of Ecological Environmental Quality Variations Using Google Earth Engine:

A Case Study in the Qilian Mountains, Northwest China. *Remote Sensing*, *15*(4), 960. https://doi.org/10.3390/rs15040960

Wang, Y., Pan, Z., Zheng, J., Qian, L., & Li, M. (2019). A Hybrid Ensemble Method for Pulsar Candidate Classification. *Astrophysics and Space Science*, *364*(8), 139. https://doi.org/10.1007/s10509-019-3602-4

Wheeler, D. C. (2019). Geographically Weighted Regression. In *Handbook of Regional Science* (pp. 1–27). Springer.

Widiastuti, A., & Silfiana, S. (2021). Dampak Pandemi Covid-19 Terhadap Pertumbuhan Ekonomi Di Pulau Jawa. *Jurnal Ekonomi-Qu*, *11*(1), 97–107.

Worosuprodjo, S. (2016). Analisis Spasial Ekologikal Sumberdaya Lahan Di Provinsi Daerah Istimewa Yogyakarta. *Forum Geografi*, *21*(2), 95. https://doi.org/10.23917/forgeo.v21i2.2354

Xiong, Y., Xu, W., Lu, N., Huang, S., Wu, C., Wang, L., Dai, F., & Kou, W. (2021). Assessment of spatial–temporal changes of ecological environment quality based on RSEI and GEE: A case study in Erhai Lake Basin, Yunnan province, China. *Ecological Indicators*, *125*, 107518. https://doi.org/10.1016/j.ecolind.2021.107518

Xu, H. (2008). A New Index for Delineating Built-up Land Features in Satellite Imagery. *International Journal of Remote Sensing*, *29*(14), 4269–4276.

Xu, H. Q. (2013a). A Remote Sensing Urban Ecological Index and Its Application. *Acta Ecol. Sin*, *33*(24), 7853–7862.

Xu, H. Q. (2013b). A Remote Sensing Urban Ecological Index and Its Application. *Acta Ecol. Sin*, *33*(24), 7853–7862.

Xu, H., Wang, Y., Guan, H., Shi, T., & Hu, X. (2019). Detecting Ecological Changes with a Remote Sensing Based Ecological Index (RSEI) Produced Time Series and Change Vector Analysis. *Remote Sensing*, *11*(20), Article 20. https://doi.org/10.3390/rs11202345

Zhang, Q., & Seto, K. C. (2011). Mapping Urbanization Dynamics at Regional and Global Scales Using Multi-Temporal DMSP/OLS Nighttime Light Data. *Remote Sensing of Environment*, *115*(9), 2320–2329.

Zhang, T., Yang, R., Yang, Y., Li, L., & Chen, L. (2021). Assessing the Urban Eco-Environmental Quality by the Remote-Sensing Ecological Index: Application to Tianjin, North China. *ISPRS International Journal of Geo-Information*, *10*(7), 475.

Zheng, H., Ouyang, Z., Zhao, T., Li, Z., & Xu, W. (2003). The Impact of Human Activities on Ecosystem Services. *Journal of Natural Resources*, *18*(1), 118–126.

Zhu, Q., Guo, J., Guo, X., Chen, L., Han, Y., & Liu, S. (2021). Relationship Between Ecological Quality and Ecosystem Services in a Red Soil Hilly Watershed in Southern China. *Ecological Indicators*, *121*, 107119. https://doi.org/10.1016/j.ecolind.2020.107119